

Refine Search

Search Results -

Term	Documents
(2 NOT (7 AND 4)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	60
(L2 NOT (L4 AND L7)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	60

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L12

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Tuesday, March 08, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query
 side by side

Hit Count

Set Name
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
 OP=AND

<u>L12</u>	L2 not (L4 and L7)	60	<u>L12</u>
<u>L11</u>	L10 same (immobilized or fixed)	6	<u>L11</u>
<u>L10</u>	L8 same (surface or polymer or particle)	337	<u>L10</u>
<u>L9</u>	L8 same (immobilized or fixed or attached)	20	<u>L9</u>
<u>L8</u>	L5 same ((cationic adj lipid) or lipid or lipofectamine)	409	<u>L8</u>
<u>L7</u>	L6 not L4	2	<u>L7</u>
<u>L6</u>	L5 and L2	6	<u>L6</u>
<u>L5</u>	(ligand) same (polylysine or histone or polycationic)	2017	<u>L5</u>
<u>L4</u>	L3 and L2	7	<u>L4</u>
<u>L3</u>	(transferrin) same (polylysine or histone or cationic)	1091	<u>L3</u>

L2 ((surface or reverse) adj transfection)

60 L2

L1 Uhler-Michael-D\$.in.

4 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Term	Documents
(6 NOT 7).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3
(L6 NOT L7).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L8

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Tuesday, March 08, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query
side by side

Hit Count Set Name
result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=AND

<u>L8</u>	L6 not L7	3	<u>L8</u>
<u>L7</u>	L6 and (lipid or (cationic adj lipid))	22	<u>L7</u>
<u>L6</u>	L5 and L1	25	<u>L6</u>
<u>L5</u>	L4 and (conjugated or (covalently adj linked) or (chemical adj linkage))	13106	<u>L5</u>
<u>L4</u>	L3 and (receptor or ligand)	19399	<u>L4</u>
<u>L3</u>	(DNA or (nucleic adj acid)) adj binding	24600	<u>L3</u>
<u>L2</u>	L1 same (transfection adj complex)	0	<u>L2</u>
<u>L1</u>	(immobilized or coated or fixed) same (medical adj device)	3462	<u>L1</u>

END OF SEARCH HISTORY

Welcome to DialogClassic Web(tm)

Dialog level 05.00.10aD
Last logoff: 08mar05 11:28:54
Logon file001 08mar05 17:13:49
KWIC is set to 50.
HIGHLIGHT set on as ' '
* * *

File 1:ERIC 1966-2004/Jul 21
(c) format only 2004 The Dialog Corporation

Set	Items	Description
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Cost is in DialUnits
?

B 155, 5, 73
08mar05 17:14:02 User259876 Session D723.1
\$1.12 0.320 DialUnits File1
\$1.12 Estimated cost File1
\$0.05 INTERNET
\$1.17 Estimated cost this search
\$1.17 Estimated total session cost 0.320 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2005/Mar W1
(c) format only 2005 The Dialog Corp.

***File 155: Medline has been reloaded; accession numbers have changed.**
Please see HELP NEWS 154.

File 5:Biosis Previews(R) 1969-2005/Feb W4
(c) 2005 BIOSIS
File 73:EMBASE 1974-2005/Feb W4
(c) 2005 Elsevier Science B.V.

Set	Items	Description
-----	-------	-------------

?

S (SURFACE OR REVERSE) (W) TRANSFECTION

1234166	SURFACE
591511	REVERSE
182580	TRANSFECTION

S1 75 (SURFACE OR REVERSE) (W) TRANSFECTION

?

S S1 NOT PY>2000

75	S1
6357720	PY>2000

S2 43 S1 NOT PY>2000

?

RD

...completed examining records

S3 24 RD (unique items)

?

S (DNA OR (NUCLEIC (W) ACID)) (W) BINDING

2435346	DNA
259723	NUCLEIC
3786559	ACID

225900 NUCLEIC(W)ACID
 1942061 BINDING
 S4 193138 (DNA OR (NUCLEIC (W) ACID)) (W) BINDING

?

S S4 AND (RECEPTOR OR LIGAND)

193138 S4
 1866892 RECEPTOR
 307443 LIGAND
 S5 32888 S4 AND (RECEPTOR OR LIGAND)

?

S S5 AND (CONJUGATED OR (COVALENTLY (W) LINKED) OR (CHEMICAL (W) LINKAGE))

32888 S5
 98521 CONJUGATED
 57967 COVALENTLY
 639057 LINKED
 10856 COVALENTLY(W) LINKED
 4003988 CHEMICAL
 180023 LINKAGE
 157 CHEMICAL(W) LINKAGE
 S6 164 S5 AND (CONJUGATED OR (COVALENTLY (W) LINKED) OR
 (CHEMICAL (W) LINKAGE))

?

Set	Items	Description
S1	75	(SURFACE OR REVERSE) (W) TRANSFECTION
S2	43	S1 NOT PY>2000
S3	24	RD (unique items)
S4	193138	(DNA OR (NUCLEIC (W) ACID)) (W) BINDING
S5	32888	S4 AND (RECEPTOR OR LIGAND)
S6	164	S5 AND (CONJUGATED OR (COVALENTLY (W) LINKED) OR (CHEMICAL (W) LINKAGE))

?

S S3 AND S6

24 S3
 164 S6
 S7 0 S3 AND S6

?

S S3 AND (TRANSFERRIN AND (POLYLYSINE OR HISTONE OR POLYCATIONIC))

>>>Unmatched parentheses

?

S S3 AND (TRANSFERRIN AND (POLYLYSINE OR HISTONE OR POLYCATIONIC))

24 S3
 62372 TRANSFERRIN
 9765 POLYLYSINE
 64768 HISTONE
 2715 POLYCATIONIC
 S8 0 S3 AND (TRANSFERRIN AND (POLYLYSINE OR HISTONE OR
 POLYCATIONIC))

?

T S3/3,K/ALL

3/3,K/1 (Item 1 from file: 155)
 DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

13384754 PMID: 10342834

Scavenger receptor class B type I in the rat ovary: possible role in high density lipoprotein cholesterol uptake and in the recognition of apoptotic granulosa cells.

Svensson P A; Johnson M S; Ling C; Carlsson L M; Billig H; Carlsson B
Department of Internal Medicine, Sahlgrenska University Hospital,
Goteborg, Sweden.

Endocrinology (UNITED STATES) Jun 1999, 140 (6) p2494-500, ISSN
0013-7227 Journal Code: 0375040
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... and in corpus luteum. Isolated apoptotic granulosa cells (but not viable granulosa cells) bound annexin V, indicating that they display anionic phospholipids on the cell **surface**. **Transfection** of COS-7 cells with an expression vector carrying the rat SR-BI complementary DNA resulted in increased binding to apoptotic granulosa cells (46 +/- 2...

3/3,K/2 (Item 2 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

12686812 PMID: 10609780

The role of T cell costimulation by CD80 in the initiation and maintenance of the immune response to human leukemia.

Matsumoto K; Anasetti C
Clinical Research Division, Fred Hutchinson Cancer Research Center,
Seattle, WA 98109, USA.

Leukemia & lymphoma (SWITZERLAND) Nov 1999, 35 (5-6) p427-35, ISSN
1042-8194 Journal Code: 9007422
Contract/Grant No.: AI33484; AI; NIAID; CA18029; CA; NCI
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... We found that an HLA-DR+ subclone (HEL-DR+) expresses LFA-1, LFA-3, ICAM-1, ICAM-3, but neither CD80 nor CD86 on the **surface**. **Transfection** of CD80 cDNA into HEL-DR+ cells induced the allogeneic response of purified T cells from both cord blood and peripheral blood of adult donors...

3/3,K/3 (Item 3 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

12325613 PMID: 9637503

The regulation of murine H-2Dd expression by activation transcription factor 1 and cAMP response element binding protein.

Ishiguro N; Brown G D; Ishizu A; Meruelo D
Department of Pathology and Kaplan Cancer Center, New York University
Medical Center, NY 10016, USA.

Journal of immunology (Baltimore, Md. - 1950) (UNITED STATES) Jun 15

1998, 160 (12) p5907-14, ISSN 0022-1767 Journal Code: 2985117R
Contract/Grant No.: CA22247; CA; NCI
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... homodimer, CREB homodimer, and ATF-1/CREB heterodimer, were increased in RadLV-infected thymocytes that expressed high levels of H-2Dd Ag on the cell **surface**. **Transfection** experiments demonstrated that ATF-1 and CREB activated a reporter plasmid containing the H-2 Bf1 motif. These observations strongly suggest that both ATF-1...

3/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

12306435 PMID: 9616366
The requirement of localized, CR2-mediated, alternative pathway activation of complement for covalent deposition of C3 fragments on normal B cells.
Olesen E H; Johnson A A; Damgaard G; Leslie R G
Department of Medical Microbiology, Odense University, Denmark.
Immunology (ENGLAND) Feb 1998, 93 (2) p177-83, ISSN 0019-2805
Journal Code: 0374672
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

...from B cells, after in vitro activation, revealed that the majority of C3 fragments (primarily iC3b and C3dg) had been covalently bound to the cell **surface**. **Transfection** of COS cells with wild-type CR2 or a deletion mutant lacking 11 of the molecule's 15 homologous domains, but retaining the ligand-binding...

3/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

11856236 PMID: 9127144
Conformation and surface expression of free HLA-CW1 heavy chains in the absence of beta 2-microglobulin.
Martayan A; Fiscella M; Setini A; Ciccarelli G; Gambari R; Feriotto G; Beretta A; Siccaldi A G; Appella E; Giacomini P
Immunology Laboratory, Regina Elena Institute CRS, Rome, Italy.
Human immunology (UNITED STATES) Mar 1997, 53 (1) p23-33, ISSN 0198-8859 Journal Code: 8010936
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... correct conformation, by beta 2m-deficient cells. These cells, however, do express low but significant amounts of free HLA-CW1 heavy

chains at the cell **surface** . **Transfection** with beta 2m causes a coordinate change in the antibody reactivity of the three domains of HLA-CW1 molecules, thereby providing the first experimental demonstration ...

3/3,K/6 (Item 6 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

11628017 PMID: 8940172

Suppression of sialyl Lewis X expression and E-selectin-mediated cell adhesion in cultured human lymphoid cells by transfection of antisense cDNA of an alpha1-->3 fucosyltransferase (Fuc-T VII).

Hiraiwa N; Dohi T; Kawakami-Kimura N; Yumen M; Ohmori K; Maeda M; Kannagi R

Program of Experimental Pathology, Research Institute, Aichi Cancer Center, Nagoya 464, Japan. rkannagi@aichi-cc.pref.aichi.jp

Journal of biological chemistry (UNITED STATES) Dec 6 1996, 271 (49) p31556-61, ISSN 0021-9258 Journal Code: 2985121R

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

...III and VI message, and manifested the sialyl Lewis X as well as Lewis X (Galbetal-->4 [Fucalphal-->3]GlcNAcbetal-->R) determinant at the cell **surface** . **Transfection** of this cell line with the pRc/CMV vector containing an antisense human Fuc-T VII construct (pRc/CMV/5'FT7AS) resulted in a significant...

3/3,K/7 (Item 7 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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11390148 PMID: 8726362

Induction of mouse beta integrin expression following transfection with human alpha 4 chain.

Webb D L; Conrad P J; Ma L; Blue M L

Institute for Bone and Joint Disorders and Cancer, Bayer Research Center, West Haven, Connecticut 06516, USA.

Journal of cellular biochemistry (UNITED STATES) Apr 1996, 61 (1) p127-38, ISSN 0730-2312 Journal Code: 8205768

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... 1 surface expression was not due to de novo gene activation, but instead represented alpha 4/beta intracellular subunit association and transport to the cell **surface** . **Transfection** with human beta 1 prevented surface expression of mouse beta integrins. Whereas human alpha 4 and human beta 1 subunits associated very tightly in anti...

3/3,K/8 (Item 8 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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11290784 PMID: 8603439

Transfection of L929 cells with complement subcomponent Clq B-chain antisense cDNA inhibits tumor necrosis factor-alpha binding to mediate cytotoxicity and nitric oxide generation.

Jiang H; Stewart C A; Tan S Y; Fast D J; Rummage J A; Leu R W

Oklahoma Medical Research Foundation, Oklahoma City 73104-5046, USA.

Cellular immunology (UNITED STATES) Feb 1 1996, 167 (2) p293-301,

ISSN 0008-8749 Journal Code: 1246405

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

...cells were fully reconstituted in their TNF-alpha binding and in their cytotoxic response following exposure to soluble Clq which was bound to their cell surface. Transfection with Clq B-chain antisense also significantly inhibited NO generation by L929 cells in response to stimulation by TNF-alpha, IFN-alpha/beta, and LPS...

3/3,K/9 (Item 9 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

11220051 PMID: 8974447

Transfection of folate-polylysine DNA complexes: evidence for lysosomal delivery.

Mislick K A; Baldeschwieler J D; Kayyem J F; Meade T J

Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena 91125, USA.

Bioconjugate chemistry (UNITED STATES) Sep-Oct 1995, 6 (5) p512-5,

ISSN 1043-1802 Journal Code: 9010319

Contract/Grant No.: GMO8346; GM; NIGMS

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Descriptors: *DNA--administration and dosage--AD; *DNA--genetics--GE;
*Folic Acid--administration and dosage--AD; *Lysosomes--metabolism--ME;
*Polylysine--administration and dosage--AD; *Receptors, Cell Surface ; *
Transfection

3/3,K/10 (Item 10 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

11110795 PMID: 7563664

[HCV gene transfected animal using receptor mediated gene delivery]

Yamamoto M; Hayashi N; Miyamoto Y; Kamada T

First Department of Medicine, Osaka University School of Medicine.

Nippon rinsho. Japanese journal of clinical medicine (JAPAN) Sep 1995,

53 Suppl (Pt 1) p107-11, ISSN 0047-1852 Journal Code: 0420546

Publishing Model Print

Document type: Journal Article

Languages: JAPANESE
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Descriptors: *Asialoglycoproteins--metabolism--ME; *Gene Transfer
Techniques; *Hepacivirus--genetics--GE; *Receptors, Cell Surface ; *
Transfection

3/3,K/11 (Item 11 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
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10907503 PMID: 7897214

The NKB1 and HP-3E4 NK cells receptors are structurally distinct glycoproteins and independently recognize polymorphic HLA-B and HLA-C molecules.

Lanier L L; Gumperz J E; Parham P; Melero I; Lopez-Botet M; Phillips J H
Department of Human Immunology, DNAX Research Institute of Molecular and Cellular Biology, Palo Alto, CA 94304.

Journal of immunology (Baltimore, Md. - 1950) (UNITED STATES) Apr 1 1995, 154 (7) p3320-7, ISSN 0022-1767 Journal Code: 2985117R

Contract/Grant No.: AI22039; AI; NIAID; GM07276; GM; NIGMS

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

NK cells lyse hematopoietic cells that lack expression of MHC class I molecules on the cell **surface**. **Transfection** of certain MHC class I negative cell lines with MHC class I genes renders these cells resistant to NK cell-mediated cytotoxicity. Recently, we described...

3/3,K/12 (Item 12 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
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10364380 PMID: 8242637

Gene transfection and expression of the ovarian carcinoma marker folate binding protein on NIH/3T3 cells increases cell growth in vitro and in vivo.

Bottero F; Tomassetti A; Canevari S; Miotti S; Menard S; Colnaghi M I
Experimental Oncology E, Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan, Italy.

Cancer research (UNITED STATES) Dec 1 1993, 53 (23) p5791-6, ISSN 0008-5472 Journal Code: 2984705R

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Descriptors: *Carrier Proteins--genetics--GE; *Ovarian Neoplasms
--metabolism--ME; *Receptors, Cell Surface ; * **Transfection** ; *Tumor
Markers, Biological--genetics--GE

3/3,K/13 (Item 13 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

09983509 PMID: 1440056

Molecular cloning of a gene involved in methotrexate uptake by DNA-mediated gene transfer.

Underhill T M; Williams F M; Murray R C; Flintoff W F
Department of Microbiology and Immunology, University of Western Ontario,
London, Canada.

Somatic cell and molecular genetics (UNITED STATES) Jul 1992, 18 (4)
p337-49, ISSN 0740-7750 Journal Code: 8403568

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Descriptors: *Carrier Proteins--genetics--GE; *Folic Acid--metabolism--ME
; *Methotrexate--metabolism--ME; *Receptors, Cell **Surface** ; * **Transfection**
--methods--MT

3/3,K/14 (Item 14 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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09964970 PMID: 1426044

Polarized secretion of urokinase-type plasminogen activator by epithelial cells.

Ragno P; Estreicher A; Gos A; Wohlwend A; Belin D; Vassalli J D
Institute of Histology and Embryology, University of Geneva Medical
School, Switzerland.

Experimental cell research (UNITED STATES) Nov 1992, 203 (1) p236-43
, ISSN 0014-4827 Journal Code: 0373226

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... the cytoskeleton. Polarity of uPA accumulation did not result from removal of the free enzyme from the opposite compartment through its binding to the cell **surface** . **Transfection** with wild-type or mutated murine uPA demonstrated that neither the "growth factor" domain nor the kringle domain is required for the appropriate sorting of...

3/3,K/15 (Item 15 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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09902491 PMID: 1387884

Transfection of a glycosylated phosphatidylinositol-anchored folate-binding protein complementary DNA provides cells with the ability to survive in low folate medium.

Luhers C A; Raskin C A; Durbin R; Wu B; Sadasivan E; McAllister W;
Rothenberg S P

Department of Medicine, Brooklyn Veterans Affairs Hospital, New York
11209.

Journal of clinical investigation (UNITED STATES) Sep 1992, 90 (3)

p840-7, ISSN 0021-9738 Journal Code: 7802877
Contract/Grant No.: CA-32369; CA; NCI; DK-01726; DK; NIDDK
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Descriptors: *Carrier Proteins--physiology--PH; *DNA--genetics--GE;
*Folic Acid--pharmacology--PD; *Glycolipids--physiology--PH; *Phosphatidyli
nositols--physiology--PH; *Receptors, Cell **Surface** ; **Transfection**

3/3,K/16 (Item 16 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

08615931 PMID: 2542966
Toxic shock syndrome toxin 1 binds to major histocompatibility complex class II molecules.
Scholl P; Diez A; Mourad W; Parsonnet J; Geha R S; Chatila T
Division of Allergy and Immunology, Children's Hospital, Boston, MA.
Proceedings of the National Academy of Sciences of the United States of America (UNITED STATES) Jun 1989, 86 (11) p4210-4, ISSN 0027-8424
Journal Code: 7505876
Contract/Grant No.: AD07321-01; AD; ADAMHA; AI20373-05; AI; NIAID
Publishing Model Print; Erratum in Proc Natl Acad Sci U S A 1989 Sep;86(18) 7138
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

...; Antibody Technique; Genes, MHC Class II; Histocompatibility Antigens Class II--genetics--GE; Humans; Kinetics; L Cells (Cell Line)--immunology --IM; Mice; Protein Binding; Receptors, Cell **Surface** ; **Transfection**

3/3,K/17 (Item 17 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

08234129 PMID: 2895789
Thy-1- and Ly-6-mediated lymphokine production and growth inhibition of a T cell hybridoma require co-expression of the T cell antigen receptor complex.
Sussman J J; Saito T; Shevach E M; Germain R N; Ashwell J D
Division of Cancer Treatment, National Cancer Institute, Bethesda, MD 20892.
Journal of immunology (Baltimore, Md. - 1950) (UNITED STATES) Apr 15 1988, 140 (8) p2520-6, ISSN 0022-1767 Journal Code: 2985117R
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

...functional mRNA for the Ag receptor (Ti, T cell Ag receptor alpha/beta heterodimer) beta-chains and failed to express CD3/Ti on the cell **surface** . **Transfection** with the original Ti alpha- and beta-chain genes restored

CD3/Ti expression to normal levels. Whereas the parental T cell hybridoma produced IL-2...

3/3,K/18 (Item 18 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

07256677 PMID: 2987672

Differential ability of a T-antigen transport-defective mutant of simian virus 40 to transform primary and established rodent cells.

Lanford R E; Wong C; Butel J S

Molecular and cellular biology (UNITED STATES) May 1985, 5 (5)
p1043-50, ISSN 0270-7306 Journal Code: 8109087

Contract/Grant No.: CA22555; CA; NCI; CA39390; CA; NCI

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... a point mutation at nucleotide 4434 that abolishes the transport of T-ag to the nucleus but does not affect its association with the cell surface. **Transfection** -transformation assays were performed with primary cells and established cell lines of mouse and rat origin. The efficiency of transformation for established cell lines by...

3/3,K/19 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2005 BIOSIS. All rts. reserv.

0011061327 BIOSIS NO.: 199799695387

Mutational analysis of the L1 neuronal cell adhesion molecule identifies membrane-proximal amino acids of the cytoplasmic domain that are required by cytoskeletal anchorage

AUTHOR: Dahlin-Huppe Kimberlee; Berglund Erik O; Ranscht Barbara; Stallcup William B (Reprint)

AUTHOR ADDRESS: La Jolla Cancer Res. Cent., Burnham Inst., 10901 N. Torrey Pines Rd., La Jolla, CA 92037, USA**USA

JOURNAL: Molecular and Cellular Neuroscience 9 (2): p144-156 1997 1997
ISSN: 1044-7431

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: We have used B28 glioma cells, which have an extremely flattened morphology, as a model system to study the organization of L1 on the cell surface. **Transfection** of L1 cDNA into B28 cells results in expression of the L1 protein in organized linear cell surface arrays which are codistributed with cytoskeletal stress...

3/3,K/20 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2005 BIOSIS. All rts. reserv.

0010684830 BIOSIS NO.: 199799318890

Suppression of sialyl Lewis X expression and E-selectin-mediated cell adhesion in cultured human lymphoid cells by transfection of antisense

cDNA of an alpha-1 fwdarw 3 fucosyl transferase (Fuc-T VII)

AUTHOR: Hiraiwa Nozomu; Dohi Taeko; Kawakami-Kimura Naoko; Yumen Miki;
Ohmori Katsuyuki; Maeda Michiyuki; Kannagi Reiji (Reprint)
AUTHOR ADDRESS: Program Experimental Pathology, Res. Inst., Aichi Cancer
Cent., 1-1 Kanokoden, Chikusaku, Nagoya 464, Japan**Japan
JOURNAL: Journal of Biological Chemistry 271 (49): p31556-31561 1996 1996
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: X as well as Lewis X (Gal-beta-1 fwdarw 4 (Fuc-alpha-1 fwdarw 3)GlcNAc-beta-1 fwdarw R) determinant at the cell **surface** .

Transfection of this cell line with the pRc/CMV vector containing an antisense human Fuc-T VII construct (pRc/CMV/5'FT7AS) resulted in a significant...

3/3,K/21 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0010164877 BIOSIS NO.: 199698632710

Targeted transfection of human hepatoma cells with a combination of lipospermine and neogalactolipids

AUTHOR: Kichler Antoine; Remy Jean-Serge; Behr Jean-Paul; Schuber Francis
AUTHOR ADDRESS: Lab. Chimie Bioorganique, CNRS URA 1386, Faculte Pharmacie,
74 Route du Rhin, 67401 Strasbourg-Illkirch Cedex, France**France
JOURNAL: Journal of Liposome Research 5 (4): p735-745 1995 1995
ISSN: 0898-2104
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: which synthetic tri-antennary galactose ligands were conjugated to provide an interaction with cells, such as HepG2 cells, that express Gal/GalNAc receptors at their **surface** . **Transfection** , which was cell specific, increases apprxeq 1000-fold with 25% neogalactolipid, i.e. approaching the value observed with optimized positively charged transfection complexes. Unexpectedly, neutral...

3/3,K/22 (Item 4 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0004732582 BIOSIS NO.: 198580041477

DIFFERENTIAL ABILITY OF A T-ANTIGEN TRANSPORT-DEFECTIVE MUTANT OF SV-40 TO TRANSFORM PRIMARY AND ESTABLISHED RODENT CELLS

AUTHOR: LANFORD R E (Reprint); WONG C; BUTEL J S
AUTHOR ADDRESS: DEP VIROL EPIDEMIOLOG, BAYLOR COLL MED, HOUSTON, TEX 77030,
USA**USA
JOURNAL: Molecular and Cellular Biology 5 (5): p1043-1050 1985
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

...ABSTRACT: a point mutation at nucleotide 4434 that abolishes the transport of T-ag to the nucleus but does not affect its association with

the cell **surface** . **Transfection** -transformation assays were performed with primary cells and established cell lines of mouse and rat origin. The efficiency of transformation for established cell lines by...

3/3,K/23 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

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06841962 EMBASE No: 1997124474

Conformation and surface expression of free HLA-CW1 heavy chains in the absence of betainf 2-microglobulin

Martayan A.; Fiscella M.; Setini A.; Ciccarelli G.; Gambari R.; Feriotto G.; Beretta A.; Siccardi A.G.; Appella E.; Giacomini P.

Dr. P. Giacomini, Immunology Laboratory, Regina Elena Institute CRS, via delle messi d'oro 156, 00158 Roma Italy

Human Immunology (HUM. IMMUNOL.) (United States) 1997, 53/1 (23-33)

CODEN: HUIMD ISSN: 0198-8859

PUBLISHER ITEM IDENTIFIER: S019888599600256X

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 39

...correct conformation, by betainf 2m- deficient cells. These cells, however, do express low but significant amounts of free HLA-CW1 heavy chains at the cell **surface** . **Transfection** with betainf 2m causes a coordinate change in the antibody reactivity of the three domains of HLA-CW1 molecules, thereby providing the first experimental demonstration ...

3/3,K/24 (Item 2 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2005 Elsevier Science B.V. All rts. reserv.

06707105 EMBASE No: 1996372058

Suppression of sialyl Lewis X expression and E-selectin-mediated cell adhesion in cultured human lymphoid cells by transfection of antisense cDNA of an alpha<rt arrow>3 fucosyltransferase (Fuc-T VII)

Hiraiwa N.; Dohi T.; Kawakami-Kimura N.; Yumen M.; Ohmori K.; Maeda M.; Kannagi R.

Program of Experimental Pathology, Research Inst., Aichi Cancer Center, 1-1 Kanoko-den, Chikusaku, Nagoya 464 Japan

Journal of Biological Chemistry (J. BIOL. CHEM.) (United States) 1996 , 271/49 (31556-31561)

CODEN: JBCHA ISSN: 0021-9258

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

...the sialyl Lewis X as well as Lewis X (Galbetal<rt arrow>4 (Fucalphenal<rt arrow>3)GlcNAcbetal<rt arrow>R) determinant at the cell **surface** . **Transfection** of this cell line with the pRc/CMV vector containing an antisense human Fuc-T VII construct (pRc/CMV/5'FT7AS) resulted in a significant...

?

Set	Items	Description
S1	75	(SURFACE OR REVERSE) (W) TRANSFECTION
S2	43	S1 NOT PY>2000

S3 24 RD (unique items)
 S4 193138 (DNA OR (NUCLEIC (W) ACID)) (W) BINDING
 S5 32888 S4 AND (RECEPTOR OR LIGAND)
 S6 164 S5 AND (CONJUGATED OR (COVALENTLY (W) LINKED) OR (CHEMICAL (W) LINKAGE))
 S7 0 S3 AND S6
 S8 0 S3 AND (TRANSFERRIN AND (POLYLYSINE OR HISTONE OR POLYCATI-
 ONIC))

?

S (IMMOBILIZED OR COATED OR FIXED) (S) (MEDICAL (W) DEVICE?)
 91918 IMMOBILIZED
 123102 COATED
 256476 FIXED
 7475571 MEDICAL
 477707 DEVICE?
 S9 313 (IMMOBILIZED OR COATED OR FIXED) (S) (MEDICAL (W) DEVICE?)

?

S S6 AND S9
 164 S6
 313 S9
 S10 0 S6 AND S9

?

S (IMMOBILIZED OR COATED OR FIXED) (S) (STENT?)
 91918 IMMOBILIZED
 123102 COATED
 256476 FIXED
 75569 STENT?
 S11 2286 (IMMOBILIZED OR COATED OR FIXED) (S) (STENT?)

?

S S11 AND S6
 2286 S11
 164 S6
 S12 0 S11 AND S6

?

Set	Items	Description
S1	75	(SURFACE OR REVERSE) (W) TRANSFECTION
S2	43	S1 NOT PY>2000
S3	24	RD (unique items)
S4	193138	(DNA OR (NUCLEIC (W) ACID)) (W) BINDING
S5	32888	S4 AND (RECEPTOR OR LIGAND)
S6	164	S5 AND (CONJUGATED OR (COVALENTLY (W) LINKED) OR (CHEMICAL (W) LINKAGE))
S7	0	S3 AND S6
S8	0	S3 AND (TRANSFERRIN AND (POLYLYSINE OR HISTONE OR POLYCATI- ONIC))
S9	313	(IMMOBILIZED OR COATED OR FIXED) (S) (MEDICAL (W) DEVICE?)
S10	0	S6 AND S9
S11	2286	(IMMOBILIZED OR COATED OR FIXED) (S) (STENT?)
S12	0	S11 AND S6

?

S S6 AND (BEAD? OR PLATE? OR MICROARRAY? OR ARRAY?)
 164 S6


```

      54256 BEAD?
      679408 PLATE?
      40291 MICROARRAY?
      123676 ARRAY?
S13      14 S6 AND (BEAD? OR PLATE? OR MICROARRAY? OR ARRAY?)
?
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S S13 NOT PY>2000
      14 S13
      6357720 PY>2000
S14      10 S13 NOT PY>2000
?
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RD
...completed examining records
S15      7 RD (unique items)
?
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T S15/3,K/ALL

15/3,K/1 (Item 1 from file: 155)
 DIALOG(R) File 155:MEDLINE(R)
 (c) format only 2005 The Dialog Corp. All rts. reserv.

11930341 PMID: 9210476

Nuclear factor Y controls the basal transcription activity of the mouse platelet -derived-growth-factor beta- receptor gene.

Ishisaki A; Murayama T; Ballagi A E; Funa K

Ludwig Institute for Cancer Research, Biomedical Center, Uppsala, Sweden.

European journal of biochemistry / FEBS (GERMANY) May 15 1997, 246

(1) p142-6, ISSN 0014-2956 Journal Code: 0107600

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Nuclear factor Y controls the basal transcription activity of the mouse platelet -derived-growth-factor beta- receptor gene.

To determine the regulatory mechanism of the expression of the mouse **platelet -derived growth factor (PDGF) beta- receptor gene**, a 1.9-kb 5' flanking genomic fragment was cloned and analyzed. Site-directed mutagenesis of a CCAAT motif, located 60 bp upstream of...

... revealed binding of the NF-Y complex to the CCAAT box. Furthermore, the double-stranded oligonucleotides corresponding to the sequence around the CCAAT motif were **conjugated** with DNA-affinity magnetic **beads**. The binding proteins were affinity purified and identified as the NF-Y transcription factor by western blotting. Our results indicate that NF-Y controls the basal transcription activity of the mouse PDGF beta- **receptor gene**.

Descriptors: *DN A- Binding Proteins--metabolism--ME; *Gene Expression Regulation; *Receptors, **Platelet -Derived Growth Factor--genetics--GE**; *Transcription Factors--metabolism--ME; 3T3 Cells; Animals; Blotting, Western; CCAAT-Enhancer-Binding Proteins; Cloning, Molecular; DNA Footprinting; **DNA - Binding Proteins--isolation and purification--IP**; Electrophoresis, Polyacrylamide Gel; Mice; Mutagenesis, Site-Directed; Promoter Regions (Genetics); **Receptor , Platelet -Derived Growth Factor beta; Transfection--genetics--GE**

Enzyme No.: EC 2.7.1.112 (**Receptor , Platelet -Derived Growth Factor**

beta); EC 2.7.1.112 (Receptors, **Platelet** -Derived Growth Factor)
Chemical Name: CCAAT-Enhancer-Binding Proteins; **DNA** - **Binding** Proteins;
Transcription Factors; **Receptor** , **Platelet** -Derived Growth Factor beta;
Receptors, **Platelet** -Derived Growth Factor

15/3,K/2 (Item 2 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

11795162 PMID: 9045619
Involvement of co-activator p300 in the transcriptional regulation of the HER-2/neu gene.
Chen H; Hung M C
Department of Tumor Biology and Breast Cancer Basic Research Program, The University of Texas M. D. Anderson Cancer Center, Houston, Texas 77030, USA.
Journal of biological chemistry (UNITED STATES) Mar 7 1997, 272 (10) p6101-4, ISSN 0021-9258 Journal Code: 2985121R
Contract/Grant No.: 16672; PHS; R01-CA58880; CA; NCI; R01-CA60858; CA; NCI
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

...sequences in HER-2/neu promoter. The intensity of the retarded band of the protein complex decreased significantly after preincubation of the nuclear extracts with **beads** that has been **conjugated** with anti-p300 antibody. The binding of E1A to p300 and the p300 consensus sequence in HER-2/neu promoter were crucial for the ability...

Descriptors: *Adenovirus E1A Proteins--metabolism--ME; *Gene Expression Regulation, Neoplastic; *Nuclear Proteins--physiology--PH; * **Receptor** , erbB-2--genetics--GE; *Trans-Activators; *Transcription Factors--physiology--PH; Binding Sites; **DNA** - **Binding** Proteins--metabolism--ME; Humans; Promoter Regions (Genetics); Repressor Proteins--genetics--GE; Transcription, Genetic; Tumor Cells, Cultured
Enzyme No.: EC 2.7.1.112 **Receptor** , erbB-2)
Chemical Name: Adenovirus E1A Proteins; **DNA** - **Binding** Proteins; E1A-associated p300 protein; Nuclear Proteins; Repressor Proteins; Trans-Activators; Transcription Factors; **Receptor** , erbB-2

15/3,K/3 (Item 3 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

11608471 PMID: 8917502
A three-hybrid system for detecting small ligand -protein receptor interactions.
Licitra E J; Liu J O
Center for Cancer Research, Massachusetts Institute of Technology, Cambridge 02139, USA.
Proceedings of the National Academy of Sciences of the United States of America (UNITED STATES) Nov 12 1996, 93 (23) p12817-21, ISSN 0027-8424 Journal Code: 7505876
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH

Main Citation Owner: NLM
Record type: MEDLINE; Completed

A three-hybrid system for detecting small ligand -protein receptor interactions.

Small **ligand - receptor** interactions underlie many fundamental processes in biology and form the basis for pharmacological intervention of human diseases in medicine. We report herein a genetic system, named the yeast three-hybrid system, for detecting **ligand - receptor** interactions in vivo. This system is adapted from the yeast two-hybrid system with which a third synthetic hybrid **ligand** is combined. The feasibility of this system was demonstrated using as the hybrid **ligand** a heterodimer of **covalently linked** dexamethasone and FK506. Yeast expressing fusion proteins of the hormone binding domain of the rat glucocorticoid **receptor** fused to the LexA **DNA - binding** domain and FKBP12 fused to a transcriptional activation domain activated reporter genes when **plated** on medium containing the dexamethasone-FK506 heterodimer. The reporter gene activation is completely abrogated in a competitive manner by the presence of excess FK506. Using this system, we screened a Jurkat cDNA library fused to the transcriptional activation domain in yeast expressing the hormone binding domain of rat glucocorticoid **receptor** -LexA **DNA binding** domain fusion protein in the presence of dexamethasone-FK506 heterodimer. We isolated overlapping clones of human FKBP12. These results demonstrate that the three-hybrid system...

Descriptors: *Carrier Proteins--metabolism--ME; * **DNA - Binding** Proteins--metabolism--ME; *Heat-Shock Proteins--metabolism--ME; *Receptors, Glucocorticoid--metabolism--ME; Animals; Bacterial Proteins--biosynthesis--BI; Bacterial Proteins--chemistry--CH; Bacterial Proteins--metabolism--ME; Base Sequence; Binding Sites; Carrier Proteins--biosynthesis--BI; DNA Primers; **DNA - Binding** Proteins--biosynthesis--BI; Dexamethasone--analogs and derivatives--AA; Dexamethasone--chemical synthesis--CS; Dexamethasone--metabolism--ME; Genes, Reporter; Heat-Shock Proteins--biosynthesis--BI; Humans; Polymerase Chain...

Chemical Name: Bacterial Proteins; Carrier Proteins; DNA Primers; **DNA - Binding** Proteins; Heat-Shock Proteins; LexA protein, Bacteria; Receptors, Glucocorticoid; Recombinant Fusion Proteins; dexamethasone-FK506 heterodimer; Tacrolimus; Dexamethasone; Serine Endopeptidases; Tacrolimus Binding Proteins

15/3,K/4 (Item 1 from file: 73)
DIALOG(R) File 73:EMBASE
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11023187 EMBASE No: 2000123356

Matrix-assisted laser desorption/ionization mass spectrometry of DNA using photocleavable biotin

Hahner S.; Olejnik J.; Ludemann H.-C.; Krzymanska-Olejnik E.; Hillenkamp F.; Rothschild K.J.

K.J. Rothschild, Department of Physics, 590 Commonwealth Avenue, Boston, MA 02215 United States

Biomolecular Engineering (BIOMOL. ENG.) (Netherlands) 31 DEC 1999, 16/1-4 (127-133)

CODEN: BIENF ISSN: 1389-0344

PUBLISHER ITEM IDENTIFIER: S1050386299000492

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 25

...ionization mass spectrometry (MALDI-MS) with wavelengths in the

ultraviolet (UV) and infrared (IR) from solution and after capture on streptavidin-coated agarose or magnetic **beads**. The analysis was used to monitor the release of the oligonucleotides as a result of photochemical cleavage of the biotinylated linker. Near-UV pulses (UV...
...was detected using IR pulses (IR-MALDI). Results from MALDI analysis are also presented for DNA containing a photocleavable 5'-amino group which can be **covalently linked** to a variety of activated surfaces and marker molecules. In a demonstration of this approach, a 5'-PC-biotinylated 49 nt RNA oligonucleotide was enzymatically synthesized using a PC-biotin-r(AG) dinucleotide primer, captured on streptavidin coated magnetic **beads** and analyzed by UV-MALDI. Potential applications of photocleavable linkers combined with MALDI for the analysis of nucleic acids are discussed.
Copyright (C) 1999 Elsevier...

MEDICAL DESCRIPTORS:

mass spectrometry; laser; ultraviolet spectrophotometry; infrared spectrophotometry; DNA purification; **DNA binding**; technique; RNA synthesis; RNA analysis; affinity chromatography; **ligand binding**; article; priority journal

15/3,K/5 (Item 2 from file: 73)

DIALOG(R)File 73:EMBASE

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10983167 EMBASE No: 2001025379

Adsorption of anti-annexin V using dextran sulfate bound cellulose beads

Suzuki K.; Satoh A.; Hidaka T.; Takayama E.; Kataharada K.; Matsumoto M.; Shinohara T.; Matsumoto I.; Ohsuzu F.

Dr. K. Suzuki, Internal Medicine I, National Defense Medical College, Namiki 3-2, Tokorozawa, Saitama 359-8513 Japan

AUTHOR EMAIL: kogen@me.ndmc.ac.jp

Journal of Clinical Apheresis (J. CLIN. APHERESIS) (United States)

2000, 15/4 (262-265)

CODEN: JCAPE ISSN: 0733-2459

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 25

Adsorption of anti-annexin V using dextran sulfate bound cellulose beads

...dextran sulfate (DS) columns. The purpose of this study is to clarify whether or not anti-Anx V is also adsorbed by DS-bound cellulose **beads**. Sera from anti-Anx V-positive patients were mixed with DS-bound cellulose **beads** in vitro, and the titers of anti-Anx V were measured both before and after incubation. The anti-Anx V titers significantly decreased after incubation. The Anx V also bound to bovine serum albumin- **conjugated** DS immobilized on microtiter **plates**. The results of the present study lend support to the basic rationale for immunoadsorption therapy using DS columns in the treatment of habitual abortion closely...

MEDICAL DESCRIPTORS:

receptor binding; preeclampsia; antibody titer; immunoadsorption; recurrent abortion; **DNA binding**; antibody detection; complement activation; protein family; human; male; female; clinical article; adolescent; adult; article

15/3,K/6 (Item 3 from file: 73)

DIALOG(R)File 73:EMBASE

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06905869 EMBASE No: 1997190261

In vitro selection of DNA to chloroaromatics using magnetic microbead-based affinity separation and fluorescence detection

Bruno J.G.

J.G. Bruno, Applied Research Associates, Suite 2, 139 Barnes Drive,
Tyndall Air Force Base, FL 32403 United States

Biochemical and Biophysical Research Communications (BIOCHEM. BIOPHYS.
RES. COMMUN.) (United States) 1997, 234/1 (117-120)

CODEN: BBRCA ISSN: 0006-291X

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 7

...DNA ligands to the chloroaromatics, 4-chloroaniline (4-CA), 2,4,6-trichloroaniline (TCA) and pentachlorophenol (PCP), was performed by a novel method utilizing magnetic **beads** (MBs) having a linker arm for immobilization. Use of MBs was advantageous in obviating elution and precipitation of DNA as **conjugated** MBs with surface-captured template DNA could be directly added to PCR mixtures. In addition, a simplified PCR scheme requiring only one type of primer and a rapid fluorescence microscopic method for assessing **nucleic acid binding** after each round of SELEX were demonstrated.

DRUG DESCRIPTORS:

ligand ; pentachlorophenol

MEDICAL DESCRIPTORS:

*affinity chromatography; * **dna binding**

15/3,K/7 (Item 4 from file: 73)

DIALOG(R) File 73:EMBASE

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06426852 EMBASE No: 1996090679

Use of a high affinity DNA ligand in flow cytometry

Davis K.A.; Abrams B.; Lin Y.; Jayasena S.D.

NeXstar Pharmaceuticals Inc, 2860 Wilderness Place, Boulder, CO 80301
United States

Nucleic Acids Research (NUCLEIC ACIDS RES.) (United Kingdom) 1996,
24/4 (702-706)

CODEN: NARHA ISSN: 0305-1048

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Use of a high affinity DNA ligand in flow cytometry

...investigate the feasibility of using oligonucleotides in flow cytometry we describe a model system consisting of human neutrophil elastase (HNE) coated on 3.3 μ m **beads** and a high affinity DNA **ligand** for HNE isolated by in vitro selection (SELEX). In this system the fluoresceinated DNA **ligand** was equally effective as an anti-HNE antibody in detecting HNE on **beads**. The location on and the chemistry of attachment of fluorescein to the DNA **ligand** is critical for the sensitivity of detection. DNA constructs in which fluorescein was **conjugated** via an ethylene glycol tether to either the 5'-end or near the 3'-end gave much higher signals than did probes with fluorescein directly **conjugated** to either end. Second-step staining with streptavidin-**conjugated** phycoerythrin was accomplished using a biotinylated DNA **ligand** in the initial staining of HNE **beads**. These data suggest that instead of, or in addition to, antibodies high affinity oligonucleotide probes can be useful in diagnostic applications based on flow cytometry.

MEDICAL DESCRIPTORS:

* **dna binding** ; *oligonucleotide probe
 article; chemistry; flow cytometry; **ligand** binding; priority journal
 ?

Set	Items	Description
S1	75	(SURFACE OR REVERSE) (W) TRANSFECTION
S2	43	S1 NOT PY>2000
S3	24	RD (unique items)
S4	193138	(DNA OR (NUCLEIC (W) ACID)) (W) BINDING
S5	32888	S4 AND (RECEPTOR OR LIGAND)
S6	164	S5 AND (CONJUGATED OR (COVALENTLY (W) LINKED) OR (CHEMICAL (W) LINKAGE))
S7	0	S3 AND S6
S8	0	S3 AND (TRANSFERRIN AND (POLYLYSINE OR HISTONE OR POLYCATIONIC))
S9	313	(IMMOBILIZED OR COATED OR FIXED) (S) (MEDICAL (W) DEVICE?)
S10	0	S6 AND S9
S11	2286	(IMMOBILIZED OR COATED OR FIXED) (S) (STENT?)
S12	0	S11 AND S6
S13	14	S6 AND (BEAD? OR PLATE? OR MICROARRAY? OR ARRAY?)
S14	10	S13 NOT PY>2000
S15	7	RD (unique items)

?

COST

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08mar05 17:26:00 User259876 Session D723.2
  $4.53      1.415 DialUnits File155
    $4.41   21 Type(s) in Format  3
    $4.41   21 Types
$8.94 Estimated cost File155
  $11.75     2.044 DialUnits File5
    $8.00    4 Type(s) in Format  3
    $8.00    4 Types
$19.75 Estimated cost File5
  $13.17     1.239 DialUnits File73
    $17.64    6 Type(s) in Format  3
    $17.64    6 Types
$30.81 Estimated cost File73
  OneSearch, 3 files,  4.698 DialUnits FileOS
  $3.20 INTERNET
$62.70 Estimated cost this search
$63.87 Estimated total session cost   5.017 DialUnits
  
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